

**IN THE CLAIMS:**

Please amend the claims as follows:

1 - 10 (Canceled)

11. (Currently amended) A ~~The method according to claim 1 for~~  
rearranging data comprising the steps of:  
a) storing data in a first data storage section;  
b) storing data rearrangement information in a stack;  
c) reading the data stored in the first data storage section, and storing the  
data in a rearranged order in a second data storage section based on the data  
rearrangement information stored in the stack; and  
d) addressing the data stored in the second data storage section by the  
data rearrangement information.

wherein the reading and the storing are carried out by using an address  
conversion table and a register ~~corresponding stack pointer.~~

12 - 14 (Canceled)